

RESINS for MDF Application

50/50 hybrid for low temperature curing



Low temperature hybrids open up the use of Powder Coating on temperature sensitive substrates



Resin	Acid Value mgKOH/g	Viscosity 175°C mPa s	Tg °C	Surface resistance	DOI	Storage stability
CRYLCOAT® 1501-6	64-74	4500-6500	52	●	◐	○
CRYLCOAT E 04454 (NICNAS-approved)	70	5000	52	●	◐	○
CRYLCOAT E 04347	75	5000	58	●	◑	◐
CRYLCOAT 1587-6 (Tin free)	73	1000	62	●	◑	◐

Value Proposition

- Smooth High gloss, Sand textures MDF coatings in one-two coats
- Various color
- Complex shape
- No sanding (preferred if nice appearance required)
- Productivity (shorter curing time and fewer layers vs liquid paint)
- Good surface resistance (water, coffee, liquid paraffin, alcohol)
- Good chemical aging resistance (reactivity stabilization during shelf life of the resin)
- No blooming

Starting Point Formulations

Component	High gloss	Sand Texture
CRYLCOAT resin	28.8	38
Epoxy Resin (Type 2.5)	28.8	38
Catalyst	0.4	0.4
MODAFLOW® P 6000	1	1
Benzoin Degassing Agent	1.6	1.6
Wax Degassing agent	0.8	0.8
Filler	18	
White Pigment	20	20

Extrusion and application conditions

Extrusion	Twin Screw
Film thickness	avg 60 micrometer
Cure	10'@130°C (metal), 2.5'@150°C (MDF)



CRYLCOAT 1501-6, CRYLCOAT E 04454, CRYLCOAT 1587-6 and CRYLCOAT E 04347
 Available now for customers in Europe, Middle East, Africa (EMEA), Asia Pacific regions and Americas, low temperature curing hybrids to use on temperature sensitive substrates.

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